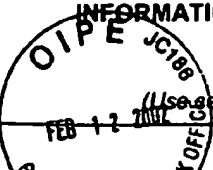
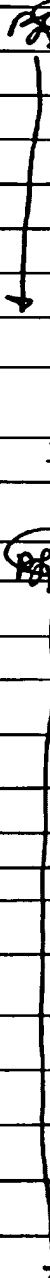

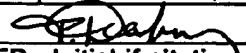


| | | | | | | | |
|---|--|---|----------|--|-------|--------------------------|----------------------------------|
| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 033337-0127 | | SERIAL NO. 09/917,171 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANT Lee, Daniel FEINBERG et al. | | | |
| | | | | FILING DATE 07/30/2001 | | GROUP ART UNIT 2661 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | TRADEMARK REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
|   | A1 | 5,764,405 | 06/09/98 | Alphonsus | | | |
| | A2 | 5,912,755 | 06/15/99 | Bergano | | | |
| | A3 | 5,912,761 | 06/15/99 | Jander et al. | | | |
| | A4 | 5,938,309 | 08/17/99 | Taylor | | | |
| | A5 | 5,946,119 | 08/31/99 | Bergano et al. | | | |
| | A6 | 5,966,206 | 10/12/99 | Jander | | | |
| | A7 | 6,014,479 | 01/11/00 | Darcie | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO |
| | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
|  | A8 | P.K. Runge et al., "AT&T Optical Amplifier Systems" AT&T Bell Laboratories Pub., Pages 72-77. | | | | | |
| | A9 | AT&T Technical Journal, "Undersea Communications Technology", Jan/Feb 1995, Volume 74, No. 1, Pages 1-103. | | | | | |
| | A10 | N.S. Bergano, "Undersea Amplified Lightwave Systems Design" AT&T Laboratories Pub., Pages 302-335. | | | | | |
| | A11 | Ravi S. Shankar, "Managing the Management Communications Network In Optical Transport Systems, Oct/Dec, 1999, Pages 155-170. | | | | | |
| | A12 | C. de Maindreville et al., Submarine Network Management: Architectural Issues, "Abstract", Pages 573-580. | | | | | |
| | A13 | Bell Labs Technical Journal, October-December 1999, Pages 138-154 | | | | | |
| | A14 | Ellen Brain et al., "Ten Years of Operating Light Wave Systems" Pages 203-209 | | | | | |
| | A15 | Curtis A Siller, Jr., "Sonet SDH - A Sourcebook of Synchronous Networking", IEEE Press, Pages 262-265. | | | | | |
| | A16 | "Digital Communications - Fundamentals and Applications", Chapter 9, "Multiplexing and Multiple Access", Pages 475 and 480. | | | | | |
| | A17 | Yanjun Zhu and W.S. Lee et al., "Eight-channel 40 Gb/s RZ transmission over four 80 km spans (328 km) of NDSF with a net dispersion tolerance in excess of 180 ps/nm, Pages, 51-53. | | | | | |
| | A18 | Howard Kidorf et al., "Performance improvement in high capacity, ultra-long distance, WDM systems using forward error correction codes", 4 Pages. | | | | | |
| | A19 | M. Murakami et al., "Long-Haul 16X10 WDM Transmission Experiment Using Higher Order Fiber Dispersion Management Technique", Sept. 1998, Madrid Spain, Pages 313-314. | | | | | |
| | A20 | Sergio Tsuda et al., "Transmission of 80x10 Gbit/s WDM Channels with 50 GHz Spacing Over 500 km of LEAF Fiber", Pages 1-4. | | | | | |
| | A21 | Taktronix - Sonet Telecommunications, "Sonet Multiplexing Hierarchy", Pages 1-9. | | | | | |
| A22 | John Schroter, OC-192 Transponder Interface to Framer IC, "The Magic In Unlimited Bandwidth", Hitachi Semiconductor (American), Inc., Nov. 2000, Pages 1-23. | | | | | | |
| EXAMINER  | | | | DATE CONSIDERED 12/11/02 | | | |
| * EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant. | | | | | | | |

RECEIVED

FEB 13 2002

Technology Center 2000

Form PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

033337-0127

SERIAL NO.

09/917,171

APPLICANT

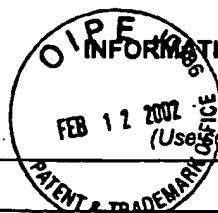
Lee Daniel FEINBERG et al.

FILING DATE

07/30/2001

GROUP ART UNIT

2661



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----|--------------------|----------|-------------|-------|---------------|----------------------------------|
| PRL | A1 | 6,057,950 | 05/02/00 | Bergano | | | |
| | A2 | 6,147,796 | 11/14/00 | Ma et al. | | | |
| | A3 | 6,304,351 | 10/16/01 | Pedersen | | | |
| | A4 | 6,310,709 | 10/30/01 | Bergano | | | |
| | A5 | 6,327,250 | 12/04/01 | Chen et al. | | | |
| | A6 | 6,341,023 | 01/22/02 | Pu | | | |

RECEIVED

FEB 13 2002

Technology Center 2600

FOREIGN PATENT DOCUMENTS

| REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION | |
|-----|--------------------|------|---------|-------|---------------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|-----|--|
| PRL | A7 | International Telecommunication Union, G.975 (10/2000), "Series G: Transmission Systems and Media, Digital Systems and Networks", Pages 1-17. |
| | A8 | K. Takada et al., "Low-cross-talk polarization-insensitive 10-GHz-spaced 128-channel arrayed-waveguide grating multiplexer-demultiplexer achieved with photosensitive phase adjustment, Optic Letters, Vol. 26, No. 2, January, 2001, Pages 64-65. |
| | A9 | Arvind Raghavan, Vitesse, "Device Overhead Access Port Description, Dec, 2000, Pages 1-26. |
| | A10 | Bell Labs Technical Journal, Figure 1 "Structure of the SONET operations network, Oct/Dec, 1999, Pages 139-154. |
| | A11 | Morten Ibsen et al., "8- and 16-Channel All-Fiber DFB Laser WDM Transmitters with Integrated Pump Redundancy", IEEE 1999. |
| | A12 | Ivan P. Kaminow et al., "Optical Fiber Telecommunications IIIA", Lucent Technologies, pages 60-61, 279-281, and 330. |
| | A13 | References, "Chirped return-to-zero source used in 8x10 Gbit/s transmission over 2000km of standard singlemode fibre, Electronic Letters, Aug, 2000, Vol. 36, No. 16, Pages 1399-1400. |
| | A14 | Altera - White Paper, "Forward Error Correction enhances the performance of tomorrow's high-speed telecommunication networks", SN 034421 - SN 034427. |
| | | |
| | | |
| | | |

EXAMINER

DATE CONSIDERED

12/11/02

- * EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.